

PRICE AND GESS

JOSEPH W. PRICE
ALBIN H. GESS
MICHAEL J. MOFFATT
GORDON E. GRAY III
BRADLEY D. BLANCHE
J. RONALD RICHEBOURG

OF COUNSEL
JAMES F. KIRK

ATTORNEYS AT LAW
2100 S.E. MAIN STREET, SUITE 250
IRVINE, CALIFORNIA 92614-6238

A PROFESSIONAL CORPORATION
TELEPHONE: (949) 261-8433
FACSIMILE: (949) 261-9072
FACSIMILE: (949) 261-1726

e-mail: pg@pgpatentlaw.com

PRELIMINARY AMENDMENT

Inventor(s): **Kazuhiko Yamada et al.**

Title: **GRAY-SCALE IMAGE DISPLAY DEVICE
THAT CAN REDUCE POWER
CONSUMPTION WHEN WRITING DATA**

Attorney's
Docket No.: **NAK1-BO60**

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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:

Kazuhiro Yamada et al.

Serial No.:

Filed:

For: GRAY-SCALE IMAGE DISPLAY DEVICE
THAT CAN REDUCE POWER CONSUMPTION
WHEN WRITING DATA

Examiner:

Group Art Unit:

Irvine, CA 92614

April 23, 2001

PRELIMINARY AMENDMENT

Assistant Commissioner for Patents
Washington, D.C. 20231

Dear Sir:

Prior to an examination on the merits of the above-identified application, please enter the following amendments:

IN THE CLAIMS:

Please amend the claims as follows:

Claim 14, line 1, delete "one of Claims 1, 2, 3, 4, 5, and 13" and insert --Claim 1--;

Claim 15, line 1, delete "one of Claims 1, 2, 3, 4, 5, and 13" and insert --Claim 1--;

Please add the following newly-drafted Claims 20-29.

1 20. The image display of Claim 2, wherein the image changing unit changes the part
2 of the sub-field image data or the sub-field image data, only when the predetermined sub-field
3 period has a smaller luminance weight than a predetermined value.

1 21. The image display of Claim 3, wherein the image changing unit changes the part
2 of the sub-field image data or the sub-field image data, only when the predetermined sub-field
3 period has a smaller luminance weight than a predetermined value.

1 22. The image display of Claim 4, wherein the image changing unit changes the part
2 of the sub-field image data or the sub-field image data, only when the predetermined sub-field
3 period has a smaller luminance weight than a predetermined value.

1 23. The image display of Claim 5, wherein the image changing unit changes the part
2 of the sub-field image data or the sub-field image data, only when the predetermined sub-field
3 period has a smaller luminance weight than a predetermined value.

1 24. The image display of Claim 13, wherein the image changing unit changes the part
2 of the sub-field image data or the sub-field image data, only when the predetermined sub-field
3 period has a smaller luminance weight than a predetermined value.

1 25. The image display device of Claim 2, wherein the image changing unit changes
2 the part of the sub-field image data or the sub-field image data, only when an amount of power
3 required to drive the first electrode is greater than a predetermined value.

1 26. The image display device of Claim 3, wherein the image changing unit changes
2 the part of the sub-field image data or the sub-field image data, only when an amount of power
3 required to drive the first electrode is greater than a predetermined value.

1 27. The image display device of Claim 4, wherein the image changing unit changes
2 the part of the sub-field image data or the sub-field image data, only when an amount of power
3 required to drive the first electrode is greater than a predetermined value.

1 28. The image display device of Claim 5, wherein the image changing unit changes
2 the part of the sub-field image data or the sub-field image data, only when an amount of power
3 required to drive the first electrode is greater than a predetermined value.

1 29. The image display device of Claim 13, wherein the image changing unit changes
2 the part of the sub-field image data or the sub-field image data, only when an amount of power
3 required to drive the first electrode is greater than a predetermined value.

REMARKS

The amendments to the claims are to remove multiple dependencies.

Newly drafted Claims 20-29 are within the scope of the original invention and do not add any new subject matter.

If the Examiner believes that a telephone interview will help further the prosecution of this case, he is respectfully requested to contact the undersigned attorney at the listed telephone number.

Very truly yours,

PRICE AND GESS



Joseph W. Price, Reg. 251,24
2100 S.E. Main St., Ste. 250
Irvine, CA 92614
949/261-8433

VERSION WITH MARKINGS TO SHOW CHANGES MADE

The claims have been amended as follows:

1 14. (Amended) The image display device of [one of Claims, 1, 2, 3, 4, 5, and 13]

2 Claim 1,

3 wherein the image changing unit changes the part of the sub-field image data or
4 the sub-field image data, only when the predetermined sub-field period has a smaller luminance
5 weight than a predetermined value.

1 15. (Amended) The image display device of [one of Claims, 1, 2, 3, 4, 5, and 13]

2 Claim 1,

3 wherein the image changing unit changes the part of the sub-field image data or
4 the sub-field image data, only when an amount of power required to drive the first electrode is
5 greater than a predetermined value.

New Claims 20-29 have been added.